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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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S E C R E T

25X1

COUNTRY Hungary

REPORT

SUBJECT Thermo-
Technical Research Institute, Budapest

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

[redacted] report on the Thermo-Technical 25X1
Institute in Budapest which contains mainly information on its departmental
organization, the names of the leading scientists (department heads) employed
there and some of its research projects.

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(Note: Washington distribution indicated by "X"; Field distribution by "#".)

HUNGARY.

Scientific/Economic.

The Thermo-Technical Research Institute, BUDAPEST.

This Institute, Hungarian title Hitechnikai Kutato Intezet, is at Kende Utca 14, BUDAPEST XI. It employed 140-150 workers, of whom about 35 were qualified engineers. The Director is Professor KOMONDI, Zoltan, an engineer who also holds the chair of Steam Engineering and Refrigeration at BUDAPEST Technical University. His deputy is BATOR, Bela. The Institute is under the Ministry of Power and Mining.

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The Institute is divided into 6 departments as under:-

- (i) Domestic Heating. Head Dr. GYULI, Jozsef (Chemical Engineer).
- (ii) Boiler Heating (Industrial). Head BEER, Janos; Deputy GABOR, Bassa.
- (iii) Heat Transport Problems. Head BENES, Zoltan. Concerned mainly with domestic heating problems and condensation systems for power stations.
- (iv) Gas Dynamics. Head KONCZ, Istvan. Concerned with such problems as slag transport by air blast, ash purification and mine ventilation.
- (v) Gas and Water Chemistry (of boilers). Head. NISZALYI, Laszlo [redacted] Concerned with ion exchange methods, gas extraction from coals etc. An unsuccessful project was the use of CO as the reducing agent in blast furnaces in lieu of coke. This was inspired by the coke shortage in HUNGARY.
- (vi) Measuring Instruments. Head EECZKOY (f.n.u.) Responsible mainly for the procurement and maintenance of instruments used by the other 5 departments.

25X1

3. No restrictive security measures were in force at the Institute which carried out no work of direct defence significance. At one time the Gas Dynamics department was working on the development of axial compressors for gas turbines, but as soon as progress looked promising the Ministry ordered all results etc. to be handed over to the Chair of Army Engineering at BUDAPEST University.

4. When it became apparent that HUNGARY was adopting an Atomic Energy program [redacted] of her own, the Director of the Institute offered the services of his Institute for research into heat

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interchange problems etc. He was told, however, that no such work could be given to the Institute as all research connected with Atomic Energy had to be kept quite separate from any other work.

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